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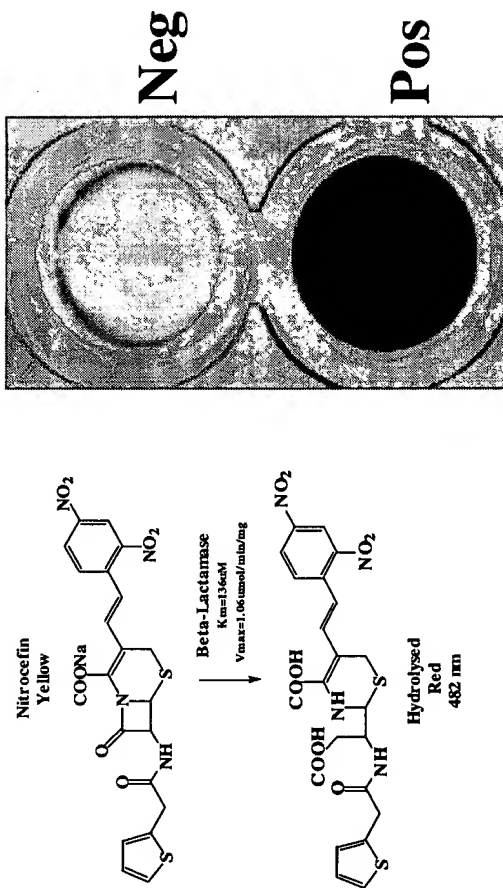
**Figure 1.**

**Family of enzymes that cleave penicillins and cephalosporins very efficiently**

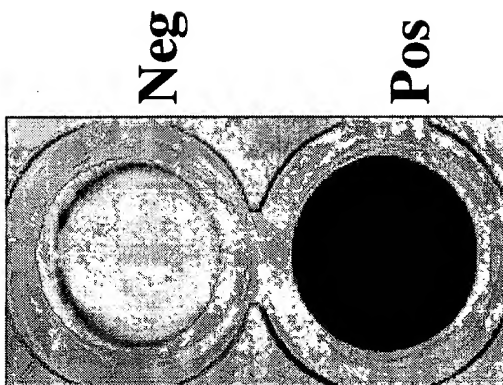
- A well characterised isoform is the 29 kD TEM-1 Beta-lactamase
  - 3D structure
  - Hydrolysis mechanism
  - Substrates and inhibitors
- Plasmid encoded ampicillin resistance gene from *E. coli*



Figure #2

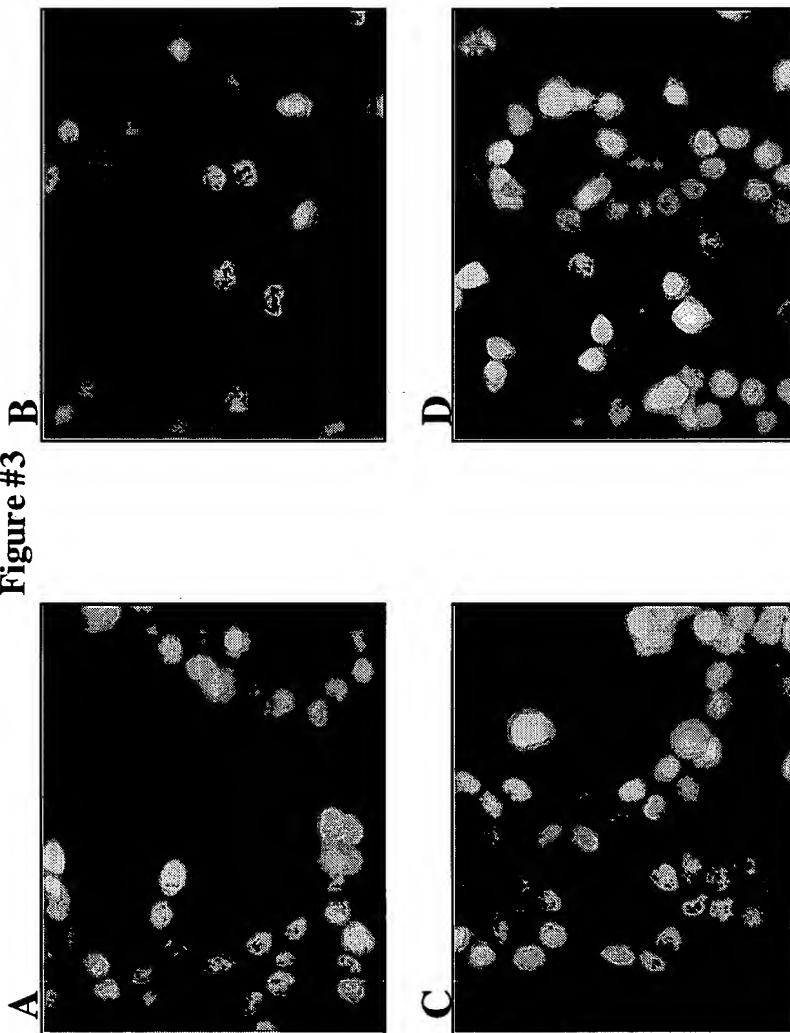


2A



2B

Figure #3

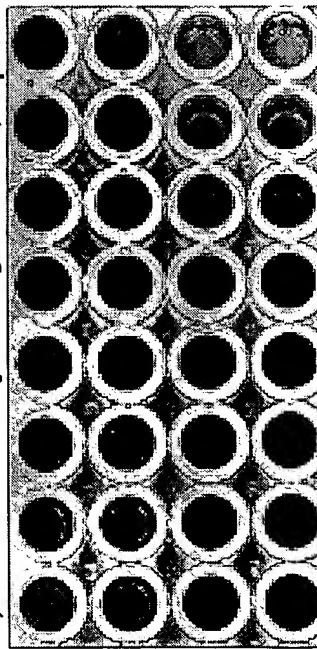


# FKBP/FRB Domain Figure #4



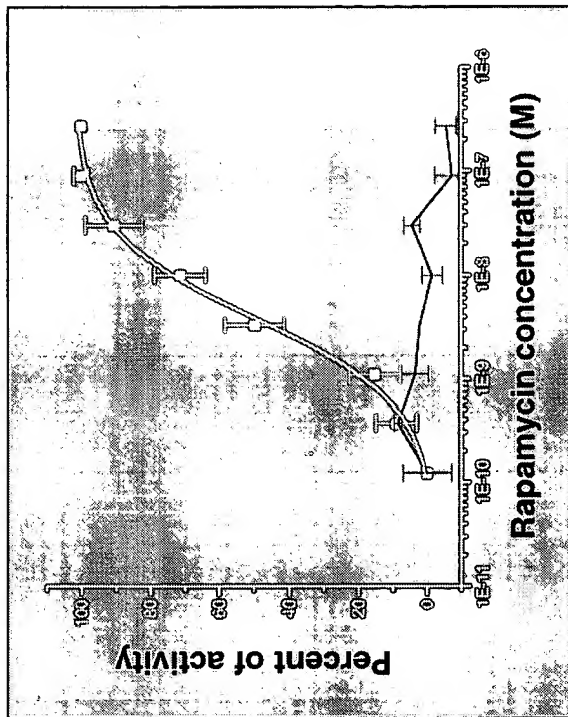
A

0,15 nM Rapamycin 0,3  $\mu$ M

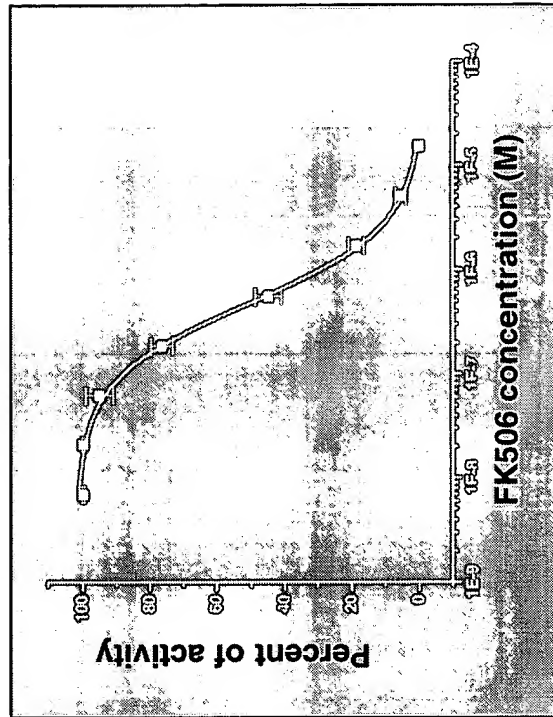


6,9 nM FK506 15  $\mu$ M

B



C



D